

PHEND & BROWN, INC. CONTRACTORS AND ENGINEERS

General Highway and Heavy Construction Since 1922

January 20, 2017

Indiana Department of Environmental Management Compliance and Enforcement Branch - Office of Air Quality 100 N Senate Avenue MC 61-53 IGCN 1003 Indianapolis, Indiana 46204-2251 Received State of Indiana

JAN 3 % 2017 1-23 DeptotEnvironmentalManagement State of Immana

Re:

FESOP Quarterly Report Revisions

049-23315-03137

While preparing the 4th quarter reports several mathematical errors were discovered. Some of these errors have been carried forward for several quarters. The values that were corrected are in all cases still below the limit for each parameter of the permit. Below is a summary table listing the specific report pages and the quarters that have been corrected. The corrected report pages are enclosed for your use. These pages have also been placed in our file and on location at our facility. If there are any questions please contact Andrew Schouten 574-658-4166 or arschouten@phend-brown.com at your convenience.

FESOP 049-23315-03137

Page #	<u>Description</u>	Quarters Corrected
46 of 52	Asphalt Production	3-2016, 2-2016, 1-2016 4-2015, 3-2015,
50 of 52	VOC Emissions	3-2016, 2-2016, 1-2016, 4-2015, 3-2015, 2-2015, 1-2015 4-2014, 3-2014, 2-2014, 1-2014 4-2013

Sincerely

Andrew R Schouten, PE

Project Manager

enclosures

Phend & Brown, Inc. Silver Lake, Indiana

Second Significant Permit Revision No.: 049-34957-03137

Revised by: Tamera Wessel

Permit Reviewer: Lek R. Traivaranon

Page 46 of 52 F049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE and ENFORCEMENT BRANCH

FESOP Quarterly Report

Phend & Brown Inc.

Source Address:

3394 South 1600 East, Silver Lake, Indiana 46982

FESOP Permit No.:

F049-23315-03137

Facility: Parameter:

Mixer and Dryer Ashalt Production

Limit:

473,500 tons per 12 consecutive month period with compliance determined at

the end of each month.

Quarter	:3rd	•	Year:	20	16
	Column 1	Colu	mn 2	Column 1 +	Column 2
Month	This Month	Previous 1	11 Months	12 Mont	h Total
July	3,940.86	46,622.2	-69 ,206.18 -	50,563.1	73,147.04
August	1,674.14	45,254,7	67,838.64	* 46,928.8	-69,512.78
September	7,305.14	Z9,414,4	·51,998.38	Z6,719,5	59,303.52
X	No deviation occurred in this of Deviation/s occurred in this que beviation has been reported on	arter.			
Submitted By:	Andrew R Schouten				
Title/Position:	Project Manager				
Signature:	ALSchart				425
Date:	October 26, 2016		C	ulzolzery	en e
Phone.	574-658-4166				

Phend & Brown, Inc. Silver Lake, Indiana Second Significant Permit Revision No.: 049-34957-03137

Revised by: Tamera Wessel

Permit Reviewer: Lek R. Traivaranon

Page 46 of 52 F049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE and ENFORCEMENT BRANCH

FESOP Quarterly Report

Source	Name:
Couloc	I TOUTIO

Phend & Brown Inc.

Source Address:

3394 South 1600 East, Silver Lake, Indiana 46982

FESOP Permit No.:

F049-23315-03137

Facility:

Mixer and Dryer

Parameter: Limit: Ashalt Production 473,500 tons per 12 consecutive month period with compliance determined at

the end of each month.

Quarter:	2nd	•	Year:	20	16
	Column 1	Colun	nn 2	Column 1 +	Column 2
Month	This Month	Previous 1	1 Months	12 Mont	h Total
April	2,822.67	53,097,4	75,681.38	55,900.1	78,504.05
Мау	3,565.70	47,529.1	70,113.05	51,094.8	73,678.75
June	4,468.43	47,69.4	70,223.35	52,167.8	74,691.78
-	No deviation occurred in this operitation/s occurred in this que viation has been reported on	ıarter.			
Title/Position: <u>I</u> Signature:	Andrew R Schouten Project Manager AT Control July 12, 2016			01/20/201	AZS
Phone: 5	574-658-4166			•	

Phend & Brown, Inc. Silver Lake, Indiana Second Significant Permit Revision No.: 049-34957-03137

Revised by: Tamera Wessel

Page 46 of 52 F049-23315-03137

Permit Reviewer: Lek R. Traivaranon

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE and ENFORCEMENT BRANCH

FESOP Quarterly Report

Source	Name:
Jource	ivallic.

Phend & Brown Inc.

Source Address:

3394 South 1600 East, Silver Lake, Indiana 46982

FESOP Permit No.:

F049-23315-03137

Facility: Parameter:

Mixer and Dryer Ashalt Production

Limit:

473,500 tons per 12 consecutive month period with compliance determined at

the end of each month.

Quarter	: <u>1st</u>	Year:	2016
Month	Column 1 This Month	Column 2 Previous 11 Months	Column 1 + Column 2 12 Month Total
January	0.00	- 80,123.88 -	57, 539, 9 -80,123.88
February	. 0.00		- 80,123.88
March	0.00	80,123.88 57,539,9	80,123.8 8
X	No deviation occurred this Deviation/s occurred in this Deviation has been reporte	s month.	
Title/Position: Signature: Date:	Andrew R Schouten Project Manager OH/OS/ZO16 574-658-4166		- AZS crtzotzerr

Phend & Brown, Inc. Silver Lake, Indiana

Second Significant Permit Revision No.: 049-34957-03137

Revised by: Tamera Wessel

page 46 of 52 FESOP No. F 049-23315-03137

2015

Year:

Permit Reviewer: Lek R. Traivaranon

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE and ENFORCEMENT BRANCH

Fesop Quarterly Report

_		
Source	Name	-

Phend & Brown Inc.

Source Address:

3394 South 1600 East, Silver Lake, Indiana 46982

4th_Quarter

FESOP Permit No.:

F049-23315-03137 Mixer and Dryer

Facility: Parameter:

Ashalt Production

Quarter:

Limits:

473,500 tons per 12 consecutive month period with compliance determined at the end of each month.

	Column 1	Column 2	Column 1 + Column 2
Month	Asphalt Production This Month (Tons)	Asphalt Produced Previous 11 Months (Tons)	12 Month Total Asphalt Produced (Tons)
Octobe	3001.0	67784.9	
Novembe	er 2974.7	77149.2 54,565,2	* 80123.9 57,539.9
Decembe	er 0.0	-80123.9	• \$7,53% <mark>80123.9</mark>
	No deviations occurred this month Deviation/s occurred in this quarte Deviation/s has been reported on:	•	: '
Submitted by: Title/Position: Tignature: Date:	Don R. Miller DHS, LLC DHS, LLC 1/26/2016 574-527-8390 (Cell), 574-893-7439, (plant)	- - ATS - CV/2017	

Phend & Brown, Inc. Silver Lake, Indiana Second Significant Permit Revision No.: 049-34957-03137

Revised by: Tamera Wessel

page 46 of 52 FESOP No. F 049-23315-03137

2015

Permit Reviewer: Lek R. Traivaranon

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE and ENFORCEMENT BRANCH

Fesop Quarterly Report

Source	Mama	_
Source	Name	-

Phend & Brown Inc.

Source Address:

3394 South 1600 East, Silver Lake, Indiana 46982

3rd_Quarter

FESOP Permit No.:

F049-23315-03137 Mixer and Dryer

Facility: Parameter:

Ashait Production

Quarter:

Limits:

473,500 tons per 12 consecutive month period with compliance determined at the end of each month.

Year:

		Column 1	Column 2	<u>_</u>	Column 1 + Column 2	
Month	11 '	Asphalt Production Asphalt Produced This Month Previous 11 Months (Tons) (Tons)		l l	12 Month Total Asphalt Produced (Tons)	
amental di constanti di constan		5485.6	27,643.8	748.1	₹ .7233.7 \$\$ ₁ 729.5	
August		5308.4	31,421,6	525.8		
Septembe		17514.4	Z,9Z63	6 030.6	-62545.0	
	Deviation/s o	s occurred this month. occurred in this quarter. is been reported on:				
Submitted by:	Don R. M		pr/zo/zor7	Te ^r		

Second Significant Permit Revision No.: 049-34957-03137

Revised by: Tamera Wessel

Page 50 of 52 F049-23315-03137

Permit Reviewer: Lek R. Traivaranon

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE AND ENFORCEMENT BRANCH

FESOP Quarterly Report

Source Name:

Phend & Brown Inc.

Source Address:

3394 South 1600 East, Silver Lake, Indiana 46982

FESOP Permit No.:

F049-23315-03137

Facility: Parameter: Cold-mix asphalt production

Limit:

Volatile Organic Compound (VOC) emissions

VOC emissions from the sum of the binders shall not exceed 52.6 tons per

twelve (12) consecutive month period, with compliance determined at the end of

each month, using the frollowing equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

3rd Quarter: Year: VOC VOC Solvent VOC VOC **Emissions Emissions** Usage **Emissions Emissions** From Cold Adjustment From Cold Month Type of Liquid Binder This From Each From Cold Mix 12 Factor Mix Previous Month Binder This Mix This Month 11 Months (tons) Month (tons) Month (tons) Total-(tons) (tons) Cutback - Medium Cure 0.00 1.429 0.00 Cutback - Slow Cure 31.95 4.000 7.99 July 2.155 Emulsion 0.00 0.00 Z.51 24.51 Other 0.00 40.000 0.00 31.95 7.99 19.00 26.99 Cutback - Medium Cure 0.00 1,429 0.00 Cutback - Slow Cure 17.85 4.000 4.46 August Emulsion 0.00 2.155 0.00 31,07 35,57 Other 0.00 40.000 0.00 17.85 4.46 25.55 30.04 Cutback - Medium Cure 0.00 1.429 0.00 Cutback - Slow Cure 11.99 4.000 3.00 September Emulsion 2.155 0.00 0.00 31.72 Other 0.00 40.000 0.00 11.99 3.00 29.16 No deviation occurred in this quarter. Deviation/s occurred in this quarter. Deviation has been reported on:

Submitted by:	Andrew R Schouten		
	Project Manager		/ .
Signature: Date:	October 26, 2016	Culzo/zoty X	4ZS
Phone:	574-658-4166		

Second Significant Permit Revision No.: 049-34957-03137

Revised by: Tamera Wessel

Permit Reviewer: Lek R. Traivaranon

Page 50 of 52 F049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE AND ENFORCEMENT BRANCH

FESOP Quarterly Report

Source Name:

Phend & Brown Inc.

Source Address:

3394 South 1600 East, Silver Lake, Indiana 46982

FESOP Permit No.:

F049-23315-03137

Facility: Parameter: Cold-mix asphalt production

Limit:

Volatile Organic Compound (VOC) emissions VOC emissions from the sum of the binders shall not exceed 52.6 tons per

twelve (12) consecutive month period, with compliance determined at the end of

each month, using the frollowing equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 2nd Year: 2016 VOC VOC Solvent VOC VOC **Emissions Emissions** Usage **Emissions Emissions** From Cold Adjustment From Cold Month Type of Liquid Binder This From Each From Cold Mix 12 Factor Mix Previous Month Binder This Mix This Month 11 Months Month (tons) (tons) Month (tons) Total (tons) (tons) Cutback - Medium Cure 0.00 1.429 0.00 Cutback - Slow Cure 4.000 21.70 5.43 April Emulsion 0.00 2.155 0.00 IZ *9*8 Other 40.000 0.00 0.00 21.70 5.43 22.93 28.36 Cutback - Medium Cure 1.429 0.00 0.00 Cutback - Slow Cure 22.71 4.000 5.68 May Emulsion 0.00 0.00 2.155 25.36 19.66 Other 0.00 40.000 0.00 22.71 5.68 14.14 19.81 Cutback - Medium Cure 1.429 0.00 0.00 Cutback - Slow Cure 35.36 4.000 8.84 June Emulsion 0.00 2.155 0.00 Other 0.00 40.000 0.00 35.36 8.84 No deviation occurred in this quarter. Deviation/s occurred in this quarter.

Deviation has been reported o	
Submitted by: Andrew R Schouten	
Title/Position: Project Manager (
Signature:	AZS
Date: July 12, 2016	o/zo/zor7 Ails
Phone: 574-658-4166	

Second Significant Permit Revision No.: 049-34957-03137 Revised by: Tamera Wessel

Page 50 of 52 FESOP No. F 049-23315-03137

Permit Reviewer: Lek R. Traivaranon

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name:

Phend & Brown Inc.

Source Address:

3394 South 1600 East, Silver Lake, Indiana 46982

Mailing Address:

P. O. Box 150 Milford, Indiana 46542

FESOP No : Facility:

F 049-23315-03137

Parameter:

Cold Mix Asphalt Production

Volatile Organic compounds (VOC) usage

Limits:

VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,

with compliance determined at the end of each month, using the frollowing equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter:	1st	Year:	2016

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)		Cold Mix-12 Month
	Cutback - Medium Cure	0.00	1.429	0.00			
January	Cutback - Slow Cure	0.00	4.000	0.00	0.00	33:02	
Juriani	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00		38.57	38.57
1	Cutback - Medium Cure	0.00	1.429	0.00			
February	Cutback - Slow Cure	0.00	4.000	0.00	0.00		
Tebruary	Emulsion	0.00	2.155	0.00		33:02	
	Other	0.00	40.000	0.00		T\$8.57	38,57
	Cutback - Medium Cure	0.00	1.429	0.00		,	
March	Cutback - Slow Cure	0.00	4.000	0.00	0.00	22.00	20.00
	Emulsion	0.00	2.155	0.00	0.00	33:02	
	Other	0.00	40.000	0.00			38.57

	X No deviations occurred this month.	
	Deviation/s occurred in this quarter. Deviation/s has been reported on:	
Submitted by: Title/Position:	Andrew R/Schouten Project Manager	Aizs
Signature: Date: Phone:	04/05/70x6 574-658-4166	<u> </u>

Phend & Brown, Inc. Leesburg, Indiana Permit Reviewer: Lek R. Traivaranon Second Significant Permit Revision No.: 049-34957-03137 Revised by: Tamera Wessel

Page 50 of 52 FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name:

Phend & Brown Inc.

Source Address :

3394 South 1600 East, Silver Lake, Indiana 46982

Mailing Address:

P. O. Box 150 Milford, Indiana 46542

FESOP No:

F 049-23315-03137

Facility:

Cold Mix Asphalt Production

Parameter: Limits:

Volatile Organic compounds (VOC) usage

VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,

with compliance determined at the end of each month, using the frollowing equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

4th_Quarter 2015 Quarter: Year:

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Gold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
	Cutback - Medium Cure	0.00	1.429	0.00	1.095		
October	Cutback - Slow Cure	7.42	4,000	1.86	1.86	24.40	22.0
Octobel	Emulsion	0.00	2.155	0.00		31.40	33.2
	Other	0.00	40.000	0.00		L 36 ,40	39.80
	Cutback - Medium Cure	0.00	1.429	0.00	0.8275		****
November	Cutback - Slow Cure	2.34	4.000	0.59		20.42	22.0
MOACHINEL	Emulsion	0.00	2.155	0.00	0.59	-32.43	33-0
	Other	0.00	40.000	0.00		LS7, Y 7	IS8,57
December	Cutback - Medium Cure	0.00	1.429	0.00	0		
	Cutback - Slow Cure	0.00	4.000	0.00	0.00		
	Emulsion	0.00	2.155	0.00	0.00	33.02	33.0
	Other	0.00	40,000	0.00		SR.57	S 57

X No deviations occurred this month.			
Deviation/s occurred in this quarter. Deviation/s has been reported on:			
·			_
Dan R. Miller			
DHS, LLC			
Klan & Sville			
1/26/2016			Techo/will
574-527-8390 (Cell), 574-893-7439, (plant)			·
	Deviation/s occurred in this quarter. Deviation/s has been reported on: Don R. Miller DHS, LIC DHS, LIC JUNE SWILLE 1/26/2016	Deviation/s occurred in this quarter. Deviation/s has been reported on: Don R. Miller DHS, LIC Klim R Smiller 1/26/2016	Deviation/s occurred in this quarter. Deviation/s has been reported on: Don R. Miller DHS, LIC Klan & Swille 1/26/2016

Second Significant Permit Revision No.: 049-34957-03137 Revised by: Tamera Wessel

Permit Reviewer: Lek R. Traivaranon

Page 50 of 52 FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name :

Phend & Brown Inc.

Source Address:

3394 South 1600 East, Silver Lake, Indiana 46982

Mailing Address:

P. O. Box 150 Milford, Indiana 46542

FESOP No :

F 049-23315-03137

Facility: Parameter: Cold Mix Asphalt Production

Volatile Organic compounds (VOC) usage

Limits:

VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,

with compliance determined at the end of each month, using the frollowing equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Joli 2815 Quarter: Year:

Montin	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
	Cutback - Medium Cure	0.00	1.429	0.00			
Ýz ality	Cutback - Slow Cure	18,25	4.000	4,08	4.06		- 32.00
A STATE OF THE STA	Emulsion	0.00	2.155	0.00	المنهوة أنها	The state of the s	State to the state of the state
	Other	0.00	40.000	0.00		77.47	25,CZ
	Cutback - Medium Cure	0.00	1.429	0.00			
the every and	Cutback - Slow Cure	5.75	4.000	1.44	1 44		
August	Emulsion	0.00	2.155	0.00	\$ _446.44.50	36.53	Sand Carlotter to the same
	Other	0.00	40,000	0.00		-X2-2-2	-3/272
September	Cutback - Medium Cure	0.00	1.429	0.00			1
	Cutback - Slow Cure	2.35	4.000	0.85	0.85	- 44.65	12 30 30 30 30 30 30 30 30 30 30 30 30 30
	Emulsion	0.00	2.155	0.00	أفية عَمِيلًا اليهُ	73,70	
	Other	0.00	40.000	0.00		21,62	

	X No deviations occurred this month.	
	Deviation/s occurred in this quarter.	
	Deviation/s has been reported on:	
Submitted by:	Don R. Miller	
litle/Position:	DHS, LLC Consulting	
Signature:	Don R. Miller	oi/zoi7".
Date:	10/26/2015	O/Z5/Z6/7
Phone:	574-527-8390 (Cell), 574-893-7439, (plant)	

Second Significant Permit Revision No.: 049-34957-03137 Revised by: Tamera Wessel Page 50 of 52 FESOP No. F 049-23315-03137

Permit Reviewer: Lek R. Traivaranon

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF AIR MANAGEMENT COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name :

Phend & Brown Inc.

Source Address:

3394 South 1600 East, Silver Lake, Indiana 46982

Mailing Address:

P. O. Box 150 Milford, Indiana 46542

FESOP No :

F 049-23315-03137

Facility:

Cold Mix Asphalt Production

Parameter : Limits : Volatile Organic compounds (VOC) usage VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,

with compliance determined at the end of each month, using the frollowing equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 2nd Quarter Year: 2015

)	Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
		Cutback - Medium Cure	0.00	1.429	0.00			
8	A range 5	Cutback - Slow Cure	40.35	4.000	10.09	10.09	43.04	2200
Aprīl	Emulsion	0.00	2.155	0.00	10.03	10.61	Maradra Notal	
	Other	0.00	40.000	0.00		16.58	26.68	
	Cutback - Medium Cure	0.00	1,429	0.00				
19	Wav	Cutback - Slow Cure	56.86	4.000	14.22	14.22	45.42	- 29.63
₽,	widy	Enadsion	0.00	2.155	0.00	14.24	the The	2000
		Other	0.00	40.000	0.00		hall the said	2061
		Cutback - Medium Cure	0.00	1,429	0.00			
June	Cutback - Slow Cure	22.35	4.000	5.59	The street street		31.03	
	Emulsion	0.00	2.155	0.00	0.00	70 -1	- 1 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
		Other	0.00	40.000	0.00		3450	and the

	X No deviations occurred this month.	
	Deviation/s occurred in this quarter.	
	Deviation/s has been reported on:	
Submitted by:	Don R. Miller	
itle/Position:		170
ignature:	Non R. Miller	olalar AZS
Date:	7/15/2015	
hone:	574-527-8390 (Cell), 574-893-7439, (plant)	

Permit Reviewer: Lek R. Traivaranon

Second Significant Permit Revision No.: 049-34957-03137 Revised by: Tamera Wessel Page 50 of 52 FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name :

Phend & Brown Inc.

Source Address :

3394 South 1600 East, Silver Lake, Indiana 46982

Mailing Address:

P. O. Box 150 Milford, Indiana 46542

FESOP No :

F 049-23315-03137

Facility:

Cold Mix Asphalt Production

Parameter:

Volatile Organic compounds (VOC) usage

Limits:

VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,

with compliance determined at the end of each month, using the frollowing equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 1st quarter Year: 2015

Month	Type of Liquid Binder	Solvent Used This Month	Adjustment Factor	VOC Emissions From Each Binder	VOC Emissions from Cold Mix	VOC Emission from Cold Mix Previous	VOC Emissions from Cold Mix-12 Month
		(Tons)	(Divisor)	This Month (Tons)	this Month (Tons)	11 Months (Tons)	Total (Tons)
	Cutback - Medium Cure	0.00	1.429	0.00	12		
lantiant	Cutback - Slow Cure	0.00	4.000	0.00		45.44	AFAA
January	Emulsion	0.00	2.155	0.00		, ,15.11	
	Other	0.00	40,000	0.00		2014	20.66
	Cutback - Medium Cure	0.00	1.429	0.00	0.00		
February	Cutback - Słow Cure	0.00	4.000	0.00		CONTRACTOR OF THE PARTY OF THE	once Action A.A.
rebluary	Emulsion	0.00	2.155	0.00		10.11	10.11
	Other	0.00	40.000	0.00		(C.66	120xc
	Cutback - Medium Cure	0.00	1.429	0.00	p v		
March	Cutback - Slow Cure	0.00	4.000	0.00	0.00	- AE-AA	. 4544
	Emulsion	0.00	2.155	0.00	0.00		15.11
	Other	0.00	40.000	0.00		6010	LACO.

	X No deviations occurred this month.	
	Deviation/s occurred in this quarter.	
	Deviation/s has been reported on:	
Submitted by:	Don R. Miller	<i>j</i>
Title/Position:	DHS, LLC	100
Signature:	Non R. Milly	ortzotzer Ails
Date:	4/20/2015	01/20/2017
Phone:	574-527-8390 (Cell), 574-893-7439, (plant)	

Permit Reviewer: Lek R. Traivaranon

Significant Revision No. 049-27942-03137 Revised by: Brian Williams

Page 50 of 52 FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name:

Phend & Brown Inc.

Source Address: 3394 South 1600 East, Silver Lake, Indiana 46982

Mailing Address:

P. O. Box 150 Milford, Indiana 46542

FESOP No : Facility :

F 049-23315-03137

Cold Mix Asphalt Production

Parameter:

Volatile Organic compounds (VOC) usage

Limits:

VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,

with compliance determined at the end of each month, using the frollowing equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

2014 4th Quarter:

) Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
	Cutback - Medium Cure	0.00		1.10		40.40	4420
0-4-6-0	Cutback - Slow Cure	4.38	4.000	0.00		-13.19	
October	Emulsion	0.00	2.155			18.76	19,86
	Other	0.00	40.000	0.00		10,14	7 /2 02
	Cutback - Medium Cure	0.00	1.429	0.00	1		
	Cutback - Slow Cure	3.31	4.000	0.83	una	14.29	
November	Emulsion	0.00	2.155	0.00		1086	70.66
	Other	0.00	40.000	0.00		11100	Age-
	Cutback - Medium Cure	0.00	1.429	0.00	1		4 = 44
	Cutback - Slow Cure	0.00	4.000	0.00	1 19 1 11 1	-15.11	- 715.11
December	Emulsion	0.00	2.155	0.00	'\	ZO.66	20.66
	Other	0.00	40.000	0.00)	Sunday & Color	<u> </u>

	X No deviat	Totas occurred this in	MICH.			
	Deviation	ls occurred in this q	uarter.			:
Deviati	on/s has been reported on:					í.
Submitted by:	Oon R. Miller	Title/Position:		DHS, LLC		A125
Signature:	Von X mille	Date:	01/20/15		<u>e</u> rlælær	:
Phone:	(574)893-7439, (574)527-8390					

Permit Reviewer: Lek R. Traivaranon

Significant Revision No. 049-27942-03137 Revised by: Brian Williams

Page 50 of 52 FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT **COMPLIANCE AND ENFORCEMENT BRANCH**

Multiple Liquid Binder Solvent Quarterly Report

Source Name:

Phend & Brown Inc.

Source Address :

3394 South 1600 East, Silver Lake, Indiana 46982

Mailing Address:

P. O. Box 150 Milford, Indiana 46542

FESOP No :

F 049-23315-03137

Facility:

Cold Mix Asphalt Production

Parameter:

Volatile Organic compounds (VOC) usage

Limits:

VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,

with compliance determined at the end of each month, using the frollowing equation: VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter:

Year: 2014

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
	Cutback - Medium Cure	0.00	1.429	0.00			
for Exa	Cutback - Slow Cure	8,96	4.000	2.24	2.24	-17.2 0	
July	Emulsion	0.00	2.155	0.00	Z.Z~?	770H	25.04
	Other	0.00	40.000	0.00		4407	45.07
	Cutback - Medium Cure	0.00	1.429	0.00	-		
Accessed	Cutback - Slow Cure	5.97	4.000	1.49	7 21.4	16.60	18.0
August	Emulsion	0.00	2.155	0.00	1.70		Z3.69
	Other	0.00	40.000	0.00		ZZ, 19	6 m 2 5 6 4
September	Cutback - Medium Cure	0.00	1.429	0.00			
	Cutback - Slow Cure	2.90	4.000	0.73	0.73	-15.60	16.3
	Emulsion	0.00	2.155	0.00	0.73	10.00	7/90 10.0
	Other	0.00	40.000	0.00		Clill	14010

	^	No deviations occurred this in	iona.	
		Deviation/s occurred in this q	uarter.	
Devi	iation/s has been reported on:			
Submitted by:	Don R. Miller	Title/Position:	DHS,LLC/Materials Mgr.	, ANS
Signature:	Dank huter	Date:	10/20/14	
Phone:	(574)893-743 8 9			

the decirations make and this manth

Permit Reviewer: Lek R. Traivaranon

Significant Revision No. 049-27942-03137 Revised by: Brian Williams

Page 50 of 52 FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name :

Phend & Brown Inc.

Source Address: 3394 South 1600 East, Silver Lake, Indiana 46982

Mailing Address: P. O. Box 150 Milford, Indiana 46542

FESOP No :

F 049-23315-03137

Facility:

Cold Mix Asphalt Production

Parameter:

Volatile Organic compounds (VOC) usage

Limits:

VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,

with compliance determined at the end of each month, using the frollowing equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

2014 Quarter: 2nd

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
	Cutback - Medium Cure	0.00	1,429	0.00	2		
Amerik	Cutback - Slow Cure	16.32	4.000	4.08	4.08	-46.35	- 26.43
April	Emulsion	0.00	2.155	0.00	7.00	7197	
	Other	0.00	40,000	0.00		LITI .	76.07
	Cutback - Medium Cure	0,00	1.429	0.00			
a.a.	Cutback - Slow Cure	26,42	4,000	6.61	6.61	42.06	- 48,66
May	Emulsion	0.00	2.155	0.00	Q(1, Q) 1	Į.	,
	Other	0.00	40,000	0.00		17,70	24.30
	Cutback - Medium Cure	0.00	1.429	0,00			
· framo	Cutback - Slow Cure	14.83	4,000	3.71	3.71	(5.23	19.04
June	Emulsion	0.00	2.155	0.00	J. (1		
	Other	0.00	40.000	0.00		<i>20</i> .87	24.57

	X	No deviations occurred this month.	
•		Deviation/s occurred in this quarter.	
Devia	ation/s has been reported or):	a a
Submitted by:	Don R. Miller	Title/Position:	Materials Mgr./DHS,CCC 1725
Signature:	Non R South	, Date: 7/23/14	<u> </u>
Phone:	(574)527-8390	3 (574) 453-2956	
			1

Attach a signed certification to this report

Phend & Brown, Inc. Leesburg, Indiana

Significant Revision No. 049-27942-03137 Revised by: Brian Williams

Page 50 of 52 FESOP No. F 049-23315-03137

Permit Reviewer: Lek R. Traivaranon

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source	Mama	-
Some	Hance	•

Phend & Brown Inc.

Source Address: 3394 South 1600 East, Silver Lake, Indiana 46982

Mailing Address: P. O. Box 150 Milford, Indiana 46542

FESOP No:

F 049-23315-03137

Facility: Parameter: **Cold Mix Asphalt Production**

Volatile Organic compounds (VOC) usage

Limits:

VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,

with compliance determined at the end of each month, using the frollowing equation: VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: Year:

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
	Cutback - Medium Cure	0.00	1.429	0,00			
Januaru	Cutback - Slow Cure		4.000		0.00	same and devolution and definition on	
Section 5	Emulsion	0.00	2.155	0.00			
	Other	0.00	40,000	0.00		28.50	78,30
•	Cutback - Medium Cure	0.00	1,429	0.00			
Tahruary	Cutback - Slow Cure		4.000	1	0.00	general light and a state of the	en medigentificanis
A market strategy of	Emulsion	0.00	2.155	0.00	-,	E "	ł ·
	Other	0.00	40.000	0.00		Z8.30	28,30
	Cutback - Medium Cure	0.00	1.429	0.00			
Bit sance in	Cutback - Slow Cure		4.000		0.00		on and
-21-22-1-5-	Emulsion	0.00	2.155	0.00	* , , , , ,		78.30
	Other	0.00	40.000	0.00		28,30	16.50

	X	No deviation	is occurred this month	•	
		Deviation/s	occurred in this quarte	r.	
Deviation	n/s has been reported o	n:		•	
Submitted by:	Don R. Miller	(Title/Position:	Materials Mgr.	_ , AiZS
Signature:	Klonk	Julea	Date:	04/25/14	01/20/2017
Phone:	(574)527-8390				•

Permit Reviewer: Lek R. Traivaranon

Significant Revision No. 049-27942-03137 Revised by: Brian Williams

Page 50 of 52 FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR MANAGEMENT COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name :

Phend & Brown Inc.

Source Address: 3394 South 1600 East, Silver Lake, Indiana 46982

Mailing Address: P. O. Box 150 Milford, Indiana 46542

FESOP No :

F 049-23315-03137

Facility:

Cold Mix Asphalt Production Volatile Organic compounds (VOC) usage

Parameter: Limits:

VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,

with compliance determined at the end of each month, using the frollowing equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Year: 4th Quarter:

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
	Cutback - Medium Cure			0.00 3.14		e 2 5 mg	Surfaced, stock W
of the same has been seen and	Cutback - Slow Cure	12 55		3	3.14		
October	Emulsion	0.00	2.155	0.00		26.47	29.57
	Other	0.00	40.000	0.00		LC:	Security 2
	Cutback - Medium Cure	0.00		0.00	ļ		and Spanish Spanish
5.5. San San San San San	Cutback - Slow Cure	0.00	4,000	0.00	¥ 63 € FR €	22.70	66.1V
November	Emulsion	0.00	2.155	0.00	1	Z8,30	78.30
	Other	0.00	40.000	0.00		1-C11-0	Mary Carlot and
December	Cutback - Medium Cure	0.00	1.429	0.00	1		#0. AS 444 PS
	Cutback - Slow Cure	0.00	4.000] 000	1 2 2 2 3 3 3	22.76	de de la
	Emulsion	0.00	2.155	0.00	1	750.30	28,50
	Other	0.00	40.000	0.00	<u> </u>	6000	

	X	<u> </u>	ons occurred s occurred in	this month. this quarter.	
	n/s has been reported of	n:	Title/Posit	_ ion:	Materials Mgr.
Submitted by:		200	<u> </u>		
Signature:	Monk of	uller	Date:	01/28/14	
Phone:	(574)453-4354				<u></u>

A-Schoulen Phend & Brown, Inc. P.O. Box 150 Milford, IN 46542

BETURN RECEIPT AFAMERTEN

CARR:

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Air Quality TO: ROUTE: IDEM MSC:

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ndiana Department of Environmental Management Compliance and Enforcement Branch – Office of Air Quality .00 N Senate Avenue MC 61-53 IGCN 1003 ndianapolis IN 46204-2251

Environ Mgmt